

Title (en)
DISPERSOID ANALYSIS METHOD AND DISPERSOID ANALYSIS DEVICE

Title (de)
DISPERSOIDES ANALYSEVERFAHREN UND DISPERSOIDE ANALYSEVORRICHTUNG

Title (fr)
PROCÉDÉ ET DISPOSITIF D'ANALYSE DE DISPERSOÏDES

Publication
EP 3040718 A4 20170510 (EN)

Application
EP 14841170 A 20140829

Priority
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Abstract (en)
[origin: EP3040718A1] A calculation unit (40) obtains the volume magnetic susceptibility of a first particle. Also, the calculation unit (40) obtains the volume magnetic susceptibility of a second particle different from the first particle. Thereafter, the calculation unit (40) obtains a volume occupied by a surface material included in the second particle on the basis of a relationship between the volume magnetic susceptibility of the first particle, the volume of the first particle, the volume magnetic susceptibility of the second particle, the volume of the second particle, the volume occupied by the surface material, and the volume magnetic susceptibility of the surface material.

IPC 8 full level
G01N 27/76 (2006.01); **G01N 15/08** (2006.01)

CPC (source: EP US)
G01N 15/088 (2013.01 - EP US); **G01N 15/1031** (2013.01 - US); **G01N 27/76** (2013.01 - US)

Citation (search report)
• [A] US 4489593 A 19841225 - PIETERS WIM J M [US], et al
• [A] US 5408864 A 19950425 - WENMAN RICHARD A [US]
• [A] MASAYORI SUWA ET AL: "Magnetoanalysis of micro/nanoparticles: A review", ANALYTICA CHIMICA ACTA, ELSEVIER, AMSTERDAM, NL, vol. 690, no. 2, 7 February 2011 (2011-02-07), pages 137 - 147, XP028369522, ISSN: 0003-2670, [retrieved on 20110212], DOI: 10.1016/J.ACA.2011.02.019
• [A] EIJI SUI TO ET AL: "Surface Area Measurement of Powders by Adsorption at Liquid Phase. (I): Calculation of Specific Surface Area of Calcium Carbonate from the Adsorption of Stearic Acid.", BULLETIN OF THE INSTITUTE FOR CHEMICAL RESEARCH, KYOTO UNIVERSITY, vol. 33, no. 1, 31 January 1955 (1955-01-31), pages 1 - 7, XP055359480
• See references of WO 2015030184A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3040718 A1 20160706; EP 3040718 A4 20170510; EP 3040718 B1 20190109; JP 5988120 B2 20160907; JP WO2015030184 A1 20170302; US 10261050 B2 20190416; US 2016209366 A1 20160721; WO 2015030184 A1 20150305

DOCDB simple family (application)
EP 14841170 A 20140829; JP 2014072761 W 20140829; JP 2015534333 A 20140829; US 201414915062 A 20140829